

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A communication system which a mobile terminal can be connected to and comprises a plurality of communication networks using different communication technologies, each of said plurality of communication networks ~~use~~using the Internet Protocol to connect to the Internet, said communication system comprising:

an information service network for managing accounting information about said mobile terminal and providing services; and

~~a Mobile IP (Internet Protocol) HA (Home Agent) device provided in said information service network for constantly managing which network said mobile terminal exists in and delivering received data to an appropriate network over the Internet;~~

~~— an FA (Foreign Agent) device provided in each of said plurality of communication networks for sending a position registration request from said mobile terminal to said HA device and transferring data delivered from said HA device over the Internet to said mobile terminal when said mobile terminal is under the coverage of said FA device;~~

an AAAL (Authentication, Authorization and Accounting Local) device provided in each of said plurality of communication networks for sending charge information about the network in which said AAAL device is provided over the Internet; ~~and~~

~~an AAAH (Authentication, Authorization and Accounting Home) device provided in said information service network for managing accounting information about said mobile terminal according to said charge information sent from said AAAL device over the Internet, wherein the position registration request and a reply corresponding to said position registration request communicated between said HA device and said FA device are used to enable communications between said plurality of communication networks and the continuation of the communications across said plurality of communication networks~~

wherein said AAAL device automatically identifies a lower-charge communication network based on said charge information to determine whether a position registration request for said mobile terminal should be allowed or not.

2. (currently amended): The communication system according to claim +15, wherein said plurality of communication networks include two or more of a mobile communication network, public telephone network, and private network.

3. (original): The communication system according to claim +15, wherein said HA device performs the position registration of said mobile terminal in response to said position registration request sent from said FA device.

4. (canceled).

5. (currently amended): The communication system according to claim ~~1~~16, wherein said AAAL device determines whether said position registration should be allowed or not based on charge information added to the position registration request from said mobile terminal, said position registration request being input through said FA device.

6. (canceled).

7. (currently amended): The communication system according to claim ~~1~~16, wherein the charge information communicated between said AAAL device and said AAAH device is used to provide a cash dispenser function.

8. (currently amended): A method for using a communication network in a communication system which a mobile terminal can be connected to, ~~and the communication system comprises comprising a plurality of communication networks using different communication technologies, each of said plurality of communication networks use~~using the Internet Protocol to connect to the Internet, said method comprising:

~~providing in an information service network for managing accounting information about said mobile terminal and providing services~~

~~a Mobile IP (Internet Protocol) HA (Home Agent) device for constantly managing which network said mobile terminal exist in and delivering received data to an appropriate network over the Internet; and~~

~~providing in each of said plurality of communication networks an FA (Foreign Agent) of device said Mobile IP, for sending a position registration request from said mobile terminal to said HA device and transferring data delivered from said HA device over the Internet to said mobile terminal when said mobile terminal is under the coverage of said device;~~

~~— wherein the position registration request and a reply corresponding to said position registration request communicated between said HA device and said FA device are used to flexibly enable communications between said plurality of communication networks and the continuation of the communications across said plurality of communication networks, and~~

~~wherein an AAAL (Authentication, Authorization and Accounting Local) device is provided in each of said plurality of communication networks for sending charge information about the network in which said AAAL device is provided over the Internet via an AAAL (Authentication, Authorization and Accounting Local) device provided in each of said plurality of communication networks;~~

~~and an AAAH (Authentication, Authorization and Accounting Home) device is provided in said information service network for managing accounting information about said mobile terminal according to said charge information sent from said AAAL device over the Internet,~~

~~wherein said AAAL device automatically identifies a lower-charge communication network based on said charge information to determine whether a position registration request for said mobile terminal should be allowed or not.~~

9. (currently amended): The method for using a communication network according to claim 817, wherein said plurality of communication networks include two or more of a mobile communication network, public telephone network, and private network.

10. (currently amended): The method for using a communication network according to claim 817, wherein said HA device performs the position registration of said mobile terminal in response to said position registration request sent from said FA device.

11. (canceled).

12. (currently amended): The method for using a communication network according to claim 818, wherein said AAAL device determines whether said position registration should be allowed or not based on charge information added to the position registration request from said mobile terminal, said position registration request being input through said FA device.

13. (canceled).

14. (currently amended): The method for using a communication network according to claim 818, wherein the charge information communicated between said AAAL device and said AAAH device is used to provide a simple cash dispenser function.

15. (new): The communication system according to claim 1, further comprising:

a Mobile IP (Internet Protocol) HA (Home Agent) device provided in said information service network for constantly managing which network said mobile terminal exists in and delivering received data to an appropriate network over the Internet; and

a FA (Foreign Agent) device provided in each of said plurality of communication networks for sending a position registration request from said mobile terminal to said HA device and transferring data delivered from said HA device over the Internet to said mobile terminal when said mobile terminal is under the coverage of said FA device,

wherein said position registration request and a reply corresponding to said position registration request communicated between said HA device and said FA device are used to flexibly enable communications between said plurality of communication networks and the continuation of the communications across said plurality of communication networks.

16. (new): The communication system according to claim 15, further comprising an AAAH (Authentication, Authorization and Accounting Home) device provided in said information service network for managing accounting information about said mobile terminal according to said charge information sent from said AAAL device over the Internet.

17. (new): The method for using a communication network according to claim 8, further comprising:

managing which network said mobile terminal exists in via a Mobile IP (Internet Protocol) HA (Home Agent) device and delivering received data to an appropriate network over the Internet; and

sending a position registration request from said mobile terminal to said HA device via a FA (Foreign Agent) provided in each of said plurality of communication networks, and transferring data delivered from said HA device over the Internet to said mobile terminal when said mobile terminal is under the coverage of said device,

wherein said position registration request and a reply corresponding to said position registration request communicated between said HA device and said FA device are used to flexibly enable communications between said plurality of communication networks and the continuation of the communications across said plurality of communication networks.

18. (new): The method for using a communication network according to claim 8, further comprising managing accounting information about said mobile terminal via an AAAH (Authentication, Authorization and Accounting Home) device provided in said information service network according to said charge information sent from said AAAL device over the Internet.

19. (new): A communication system including a plurality of communication networks using different communication technologies, said communication system comprising:

a mobile terminal for sending a position registration request from said mobile terminal to a Home Agent (HA) device via a Foreign Agent (FA);

an AAAL (Authentication, Authorization and Accounting Local) device provided in each of said plurality of communication networks for sending charge information about the network in which said AAAL device is provided over the Internet; and

an AAAH (Authentication, Authorization and Accounting Home) device for managing accounting information about said mobile terminal according to said charge information sent from said AAAL device over the Internet,

wherein said AAAL device determines whether said position registration request should be allowed or not based on charge information added to the position registration request from said mobile terminal, said position registration request being input through said FA.

20. (new): A method for negotiating communication between a mobile terminal and a plurality of communication networks using different communication technologies, said method comprising:

sending a position registration request from said mobile terminal to a Home Agent (HA) device via a Foreign Agent (FA);

sending charge information about a network via an AAAL (Authentication, Authorization and Accounting Local) device provided in each of said plurality of communication networks;

managing accounting information about said mobile terminal via an AAAH (Authentication, Authorization and Accounting Home) device according to said charge information sent from said AAAL device; and

determining whether said position registration request should be allowed or not based on charge information added to the position registration request from said mobile terminal, said position registration request being input through said FA.